

FC Series Detector

Introduction

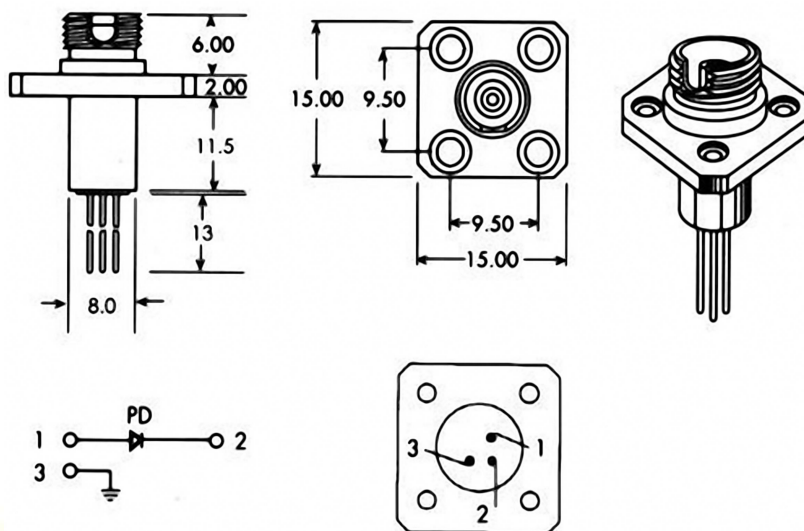
FC series detector is combined by InGaAs PIN optical diode and FC connector by the way of coupling. Within the range of $1.0\sim 1.65\mu\text{m}$, its feature is high despondence, meanwhile wavelength linear to select correct parts.



Application

- Optical metrology
- Optical test
- Optical online monitoring
- Optical amplifier output test
- Data transmission

Package



FC Detector



Tech Parameters (20°C)

FC Serial Optoelectronics Detector				
Parameter		Φ300μm	Φ500μm	Unit
Package		FC		-
Respondent Wavelength Range		1.0 ~ 1.65		μm
Respondent (0V)	1310nm	≥ 0.75		A/W
	1550nm	≥ 0.80		A/W
Linear Range (0V)	-	-40 ~ 10		dBm
Capacitance(-5V)		≤ 12	≤ 20	pF
Dark Current(-5V)		≤ 5	≤ 10	nA
Operation Voltage		0 ~ -10		V
Linear Degree		± 0.15	± 0.15	dB
Plug Deviation		± 0.1	± 0.1	dB
Plug Lifespan		10 ⁵	10 ⁵	times
Max unsaturation efficiency		> 3	> 3	dBm
Forward Current		10		mA
Optical Current		10		mA
Backward Current		25		V
Power Consumption		100		mW
Operation Temperature		15 ~ 60		°C
Storage Temperature		-10 ~ 60		°C
Welding Condition		260 (10sec)		°C





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Notice

- 1、 All above curves is tested from some certain item, only for reference, the confirmed data are decided by confirmed detector.
- 2、 For more information, please contact Hi-Tech Optoelectronics Co., Ltd (HTOE)



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